

Specification

Method for Storing Rolls of Material

The invention relates to methods for storing rolls of material in accordance with claims 1, 2, 5, 9 or 13.

A device for supplying an installation, in particular a printing press, with material is known from DE 39 10 444 C2, wherein rolls are placed into intermediate storage in a buffer depot. The depot has two shelf blocks, between which a stacking device is provided, which is designed for serving both shelf blocks.

DE 100 57 735 A1 discloses a system for providing articles, having a plurality of parallel rows of shelves, wherein storage and pickup lanes are alternately located between the rows of shelves.

A storage system is disclosed in DE 21 58 537 A, wherein storage locations of a center row of shelves can be served from aisles adjoining both sides.

A system for storing and making available material to be processed in a production line is known from DE 37 38 052 A1, wherein the shelves have been divided into readiness and storage areas and the storage of the material and its removal from the storage area or transferring to the readiness area, or into other lanes of shelves takes place with the guidance of a computer.

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USP 5,076,751 discloses a depot in which, prior to a production run, use data for which a prognosis was made are supplied to a computer with an implemented logic device, and a storage strategy is determined in the form of a plan for the required materials, wherein the rolls to be processed are removed from the depot in a defined sequence and are stored in shelf blocks.

EP 0 334 366 A2 discloses three storage areas, namely a main storage designed as a storage stack, an intermediate storage and a roll delivery. Storage spaces are provided next to each other in several rows in the intermediate storage area and can be accessed from above by a crane arrangement.

A main storage and an intermediate storage are disclosed in DE 44 16 213 A1, wherein the intermediate storage is designed as a shelf storage area. The intermediate storage areas are designed as shelf blocks, which can be serviced from one side. Only unwrapped and pre-glued rolls can be stored here also in a common storage area.

The object of the invention is based on creating methods for the storage of prepared and unprepared rolls of material in a manner in which the storage space is optimized.

In accordance with the invention, this object is attained by means of the characteristics of claims 1, 2, 5, 9 or 13.